MOTOROLA

TALKABOUT®

UHF-CB Recreational Two-Way Radio

User's Guide

KEM-PK14190-31C

Model T5419

For More Information

For further information, you may call us at 1300 889 785 (Australia) or 0900 50 025 (Toll Call, New Zealand).

Safety and General Information

Important Information on Safe and Efficient Operation

Read This Information Before Using Your Radio.

The information provided in this document supersedes the general safety information in user guides published prior to December 1, 2002.

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the general population/uncontrolled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To receive calls, release the PTT button.
- To transmit (talk), press the Push to Talk PTT button.

Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (interms of measuring standards compliance).

Exposure to Radio Frequency Energy

Your Motorola two-way radio complies with the following RF energy exposure standards and guidelines:

- United States Federal Communications Commission, Code of Federal Regulations; 47CFR part 2 sub-part J.
- American National Standards Institute (ANSI)/Institute of Electrical and Electronic Engineers (IEEE) C95. 1-1992.
- Institute of Electrical and Electronics Engineers (IEEE) C95.1-1999 Edition.
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998.
- Ministry of Health (Canada) Safety Code 6. Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 KHz to 300 GHz, 1999.
- Australian Communications and Media Authority "Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard, 2003 as amended 1 Apr 2007.
- ANATEL ANNEX to Resolution No. 303 of July 2, 2002 "Regulation of limitation of exposure to electrical, magnetic and electromagnetic fields in the radio frequency range between 9 KHz and 300GHz" and "Attachment to resolution #303 from July 2, 2002".

To ensure optimal radio performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set forth in the above standards, always adhere to the following procedures.

Portable Radio Operation and EME Exposure

Antenna Care

Use only the supplied or an approved replacement antenna.
Unauthorized antennas, modifications, or attachments could damage the radio and may violate ACMA regulations.

Do NOT hold the antenna when the radio is "IN USE." Holding the antenna affects its effective range.

Body-Worn Operation

To maintain compliances with ACMA RF exposure guidelines if you wear a radio on your body when transmitting, always place the radio in a Motorola-supplied or approved clip holder, holster, case or body harness for this product. Use of non-Motorola-approved accessories may exceed ACMA RF exposure guidelines.

If you do not use one of the Motorola-supplied or approved body-worn accessories and are not using the radio held in the normal use position, **ensure the radio and its antenna are at least 1 inch (2.5 cm) from your body when transmitting.**

Data Operation

If applicable, when using any data feature of the radio with or without an accessory cable, **position the radio and its antenna at least one inch (2.5 cm) from the body**.

Approved Accessories

For a list of approved Motorola accessories, visit our Web site at www.motorola.com.

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility. This device complies with ACMA Radiocommunications Act 1992 EMC regulations. Operation is subject to the following two conditions:

1. This device may not cause harmful interference; and
2. This device must accept any interference received, including interference that may cause undesired operation.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your radio in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your radio when onboard an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Medical Devices – Pacemakers

The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15 cm) be maintained between a handheld wireless radio and a pacemaker. These recommendations are consistent with the independent research by and recommendations of the U.S. Food and Drug Administration.

People with pacemakers should:

- ALWAYS keep the radio more than 6 inches (15 cm) from their pacemaker when the radio is turned ON.
- Not carry the radio in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the radio OFF immediately if there is any reason to suspect that interference is taking place.

Medical Devices – Hearing Aids

Some digital wireless radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Medical Devices – Other

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Safety and General Use While Driving

Check the laws and regulations regarding the use of radios in the area where you drive, and always obey them. If you do use your radio while driving, please:

- Give full attention to driving and to the road.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

The use of a two-way radio while engaged in activities requiring concentration may cause distraction or otherwise impair your ability to safely participate in such activities. Always use technology safely.

Do not place a portable radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a portable radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your radio prior to entering any area with a potentially explosive atmosphere. Only radio types that are especially qualified should be used in such areas as "Intrinsically Safe." Do not remove, install or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles (such as grain, dust or metal powders) and any other area where you would normally be advised to turn off your vehicle engine. Areas with potentially explosive atmospheres are often—but not always—posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, in a blasting area, or in areas posted "Turn off two-way radios." Obey all signs and instructions.

Operational Cautions

Antennas

Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn can result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if a conductive material—like jewelry, keys or beaded chains—touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse or other container with metal objects.

Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries.

Battery Charger Safety Instructions:

Save these Instructions

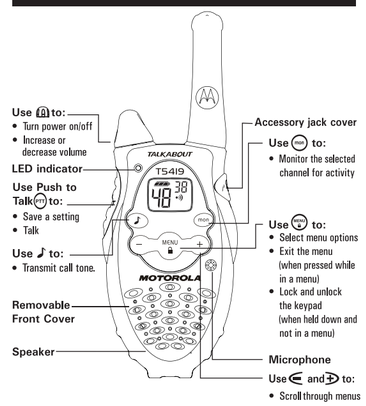
1. Do not expose the charger to rain or snow.
2. Do not operate or disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.
3. Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
4. To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle.
5. To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.
6. Use of an attachment not recommended or sold by Motorola may result in a risk of fire, electric shock or personal injury.
7. Make sure the cord is located so it will not be stepped on, tripped over or subjected to damage or stress.
8. An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that:
   - The pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger.
   - The extension cord is properly wired and in good electrical condition.
   - The extension cord size is 18 AWG for lengths up to 100 feet, and 16 AWG for lengths up to 150 feet.
9. The supply cord of this charger cannot be replaced. If the cord is damaged, please refer to Warranty section.

Radiocommunications (Citizen Band Radio Stations)Class Licence 2002

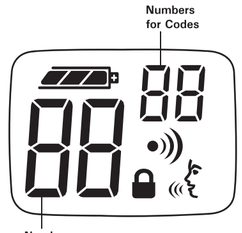
Citizen band radio service is licensed in Australia by ACMA Radiocommunications (Citizens Band Radio Stations) Class Licence and in New Zealand by MED General User Radio Licence for Citizens Band Radio and operation is subject to conditions contained in those licences.

Note: Use outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Control Buttons



Display Screen Guide



– Battery Meter

– Lock

– Talk Confirmation Tone (Roger Beep)

– Hands-Free Use With Accessories (VOX)

Getting Started

Installing the Batteries :

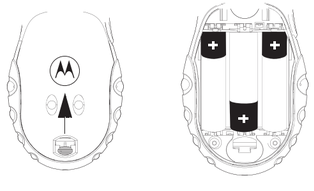
Each radio uses 1 NiMH rechargeable battery pack or 3 AA alkaline batteries and beeps when the batteries are low.

Installing the NiMH Battery Pack

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Remove the battery pack from the clear plastic bag (Do not disassemble or unwrap the battery pack).
4. Insert the NiMH battery pack with the diagram facing you.
5. Reposition the battery cover and press down to secure.

Installing the Three AA Alkaline Batteries

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery cover latch up and remove the cover.
3. Insert the three AA alkaline batteries with + and - polarity as shown inside the battery compartment.
4. Reposition the battery cover and press down to secure.



Radio Battery Meter

The radio battery icon shows the battery charge level, from full to empty . When the radio has one segment left, the radio chirps periodically or after releasing (Low Battery Alert).

Notes

- A fully charged NiMH battery pack may only display two bars on the battery meter.
- Remove the batteries before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

Removing the NiMH Battery Pack

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
3. Gently remove the NiMH battery.
4. Reposition the battery cover and press down to secure.

Removing the Three AA Batteries

1. Turn the radio off.
2. With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
3. Gently remove each battery by easing each battery out individually.
4. Reposition the battery cover and press down to secure.

Notes

- Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries.
- Remove the batteries before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

Using the Battery Charger (Optional Accessory)

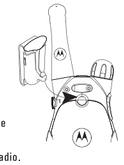
The battery charger provides drop-in charging convenience for NiMH batteries and can be placed on any flat surface, such as a desk or workbench. Charge the NiMH battery overnight (at least 16 hours) before using it for the first time. After the initial charge, an empty battery is fully charged within 14 hours.

1. Follow the steps above to install a NiMH Battery Pack.
2. Plug the AC power supply cord into the jack on the desk stand.
3. Plug the AC power supply into a standard wall outlet.
4. With a radio facing forward, slide it into one of the charging pockets.

Notes

- The red light will glow continuously to indicate the radio is correctly connected and charging. The light will remain red after the battery pack is fully charged.
- When moving between hot and cold temperatures, do not charge the battery until the battery temperture acclimates (usually about 20 minutes).
- For optimal battery life, remove the radio or battery from the charger within 16 hours. Do not store the radio while connected to the charger.
- Turn radio off while in charging tray.

Attaching and Removing the Belt Clip



1. Attach belt clip to pocket or belt strap.
2. Align the belt clip post with the hole in the back of the radio.
3. Gently push until the clip clicks into place.

To Remove

1. Push down on the release tab at the top of the belt clip to release the catch.
2. Pull the belt clip away from the back of the radio.

Turning Your Radio On and Off

Turn clockwise to turn the radio on and counterclockwise to turn the radio off.

1. In the ON position, the radio chirps and briefly shows all feature icons available on the radio.
2. The display screen then shows the current channel, code and all features that are enabled.

Setting the Volume

Press and hold for three seconds while rotating until you reach a comfortable listening level.

1. Rotate clockwise to increase the volume.
2. Rotate counter clockwise to decrease the volume.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

Talking and Listening

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code.

1. To talk, press and hold PTT.
2. When you are finished talking, release PTT.

For maximum clarity, hold the radio two to three inches away from your mouth and speak directly into the microphone. Do not cover the microphone while talking.

Monitor Button

Pressing and holding for three seconds allows to you to listen to the volume level of the radio when you are not receiving.This allows you to adjust the volume, if necessary. You can also press and hold to check for activity on the current channel before you talk.

Push to Talk PTT Timeout Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press PTT for 60 continuous seconds.

Menu Options

Selecting the Channel

Your radio has 38 channels (channels 1-40 except 22, 23). (See the "Channels and Frequencies" table for details).

1. With the radio on, press . The current channel flashes.
2. Press or and select an unused or quiet channel.
3. Press PTT to save the or to continue set up.

The operation of this radio in Australia and New Zealand is subject to conditions in the following licenses,in Australia the ACMA Radio communications (Citizen Band Radio Stations). In New Zealand the General User Radio License for Citizen Band Radio.
In Australia, except in an emergency a CB Radio must not be operated on UHF emergency channels 5 & 35. No voice transmission shall be made on UHF channels 22 & 23.
Before transmitting, ensure to listen to the UHF channel of use to ensure it is not already in use.
UHF Repeater operation is used when long distance communication is required, unless specifically needed use of the repeater channels is to be avoided. Note that in Australia Channel 11 is the customary calling channel for establishing communication and Channel 40 is the customary road vehicle channel.

Channels and Frequencies

Channel	Frequency (MHz)	Usage	Channel	Frequency (MHz)	Usage
1	476.425	Duplex RX/Simplex	21	476.925	Simplex
2	476.450	Duplex RX/Simplex	22	476.950	No Use
3	476.475	Duplex RX/Simplex	23	476.975	No Use
4	476.500	Duplex RX/Simplex	24	477.000	Simplex
5	476.525	Emergency	25	477.025	Simplex
6	476.550	Duplex RX/Simplex	26	477.050	Simplex
7	476.575	Duplex RX/Simplex	27	477.075	Simplex
8	476.600	Duplex RX/Simplex	28	477.100	Simplex
9	476.625	Simplex	29	477.125	Simplex
10	476.650	Simplex	30	477.150	Simplex
11	476.675	Simplex (Calling Channel)	31	477.175	Duplex TX/Simplex
12	476.700	Simplex	32	477.200	Duplex TX/Simplex
13	476.725	Simplex	33	477.225	Duplex TX/Simplex
14	476.750	Simplex	34	477.250	Duplex TX/Simplex
15	476.775	Simplex	35	477.275	Emergency
16	476.800	Simplex	36	477.300	Duplex TX/Simplex
17	476.825	Simplex	37	477.325	Duplex TX/Simplex
18	476.850	Simplex	38	477.350	Duplex TX/Simplex
19	476.875	Simplex	39	477.375	Simplex
20	476.900	Simplex	40	477.400	Simplex

You can find more information about channels and frequencies by visiting the web site http://www.acma.gov.au/WEB/STANDARD//pc=PC_1265

Duplex Mode

Repeater stations can re-transmit your signal over a wider area giving you extended range depending on the location, height and availability of the local repeater station. Your radio supports duplex mode on channels 1-8. If the repeater channel in your area is channel 1, when you are in duplex mode the transmit channel will be channel 31.

1. Select the repeater channel in your area (channel 1 to channel 8).
2. Press or to activate or deactivate the duplex function.

For example,
in channel 1, duplex mode will display:

Simplex mode will display:

Selecting The Interference Eliminator Code

Interference Eliminator Code help minimize interference by providing you with a choice of code combinations. Your radio has 38 Interference Eliminator Codes. Some repeaters will require specifically setting these codes for access.
Note: Channel 5 and 35 have no codes because these two channels are emergency channels. (See the "CTCSS Code Table" on overleaf for details).

To set the code for a channel:

- Press until the code starts to flash.
- Use or to change the code.
- Press PTT to save the code setting or to continue set up.

You can specify a different code for each channel.

- To set a channel and code combination, press and then press or to select the channel.
- Press again and then press or to select a code.
- Press PTT to exit the menu and to save the channel and code combination.

To set another channel and code combination, repeat these steps.
Note: You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radios that do not have Interference Eliminator Codes. Select 0 for "no tones, no codes".

Continued on back

Menu Options (continued)

CTCSS Code Table

Code	Hz	Code	Hz	Code	Hz	Code	Hz
1	67	11	97.4	20	131.8	30	186.2
2	71.9	12	100	21	136.5	31	192.8
3	74.4	13	103.5	22	141.3	32	203.5
4	77	14	107.2	23	146.2	33	210.7
5	79.7	15	110.9	24	151.4	34	218.1
6	82.5	16	114.8	25	156.7	35	225.7
7	85.4	17	118.8	26	162.2	36	233.6
8	88.5	18	123	27	167.9	37	241.8
9	91.5	19	127.3	28	173.8	38	250.3
10	94.8			29	179.9		

Setting and Transmitting Call Tones

Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk.

To set a call tone

1. With the radio on, press (MENU) 3 times. The current call tone setting flashes and "CA" displays.
2. Press ◀ or ▶ to change and hear the call tone.
3. Press (PTT) to set the new call tone.

To transmit your call tone to other redios set to the same channel and Interference Eliminator Code as your radio, press ♪.

Notes

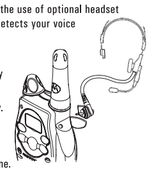
- The radio has 5 call tones.
- Setting the call tone to "0" disables the call tone feature.
- The call tone can only be transmitted once per minute.

Using Audio Accessories

Many accessories (sold separately) are available for your radio. For more information,visit our web site at www.motorola.com.

Hands-Free Use With Accessories (VOX)

You can transmit hands-free more reliably with the use of optional headset accessories. Once VOX is turned on, the radio detects your voice and transmits when you speak.



1. Turn the radio off.
2. Insert the plug of the audio accessory firmly into the accessory jack.
3. Turn the radio on. VOX shows on the display.
4. Adjust the volume appropriately by rotating (🔊). Lower the volume before placing the accessory on your head or in your ear.
5. To transmit, speak into accessory microphone.
6. To receive, stop talking.
   To turn VOX off, press (PTT) or remove the audio accessory.

Note: There is a short delay between the time you start taking and when the radio transmits. There is a short delay before the transmission is completed.

Setting the Sensitivity Level When in VOX Mode

Adjusting the radio's sensitivity level helps minimize the possibility of unintended noises triggering a transmission and helps the radio pick up soft voices.

1. Press (MENU) until 𝓋 displays and the level setting (1-3) appear on the display.
2. Press ◀ or ▶ to select the sensitivity level.
3. Press (PTT) to set the sensitivity level or (MENU) to continue set up.

3 – **High Sensitivity** for quiet environments
2 – **Medium Sensitivity** for most environments
1 – **Low Sensitivity** for noisy environments

Note: When you connect a headset, the radio is automatically set to the last chosen sensitivity level.

Keypad Lock

To avoid accidentally changing your radio settings:

1. Press and hold (MENU) until 🔒 displays.
2. When in lock mode, you can turn the radio on and off, adjust the volume, receive, transmit, send a call tone, and monitor channels. All other functions are locked.

To unlock the radio, press and hold (MENU) until 🔒 is no longer displayed.

Transmitting a Talk Confirmation Tone

You can set your radio to transmit an unique tone when you finish transmitting. It's like saying "Roger" or "Over"to let others know you are finished talking.

- To turn talk confirmation on, press and hold ▶ while you turn the radio on. When you release (PTT) after transmitting, your call tone tansmits and •)) displays.
- To turn talk confirmation off, turn your radio off and then back on while pressing and holding ▶.

Further Information

Channel Busy Indicator

The red LED will flash twice per second to indicate that the channel is in use.

Talk Range

Your radio has been designed to maximize performance and improve transmission range in the field. It is recommended that you do not use the radios closer than 1.5 meters apart, to avoid interference.

Talk range depends on the terrain. It will be affected by concrete structures, heavy foliage and by operating radios indoors or in vehicles.

Optimal Range Outdoors
Flat, open areas

Medium Range Outdoors
Buildings or trees Also near residential buildings

Minimal Range Outdoors
Dense foliage or mountains. Also inside some buildings

Optimal range occurs in flat, open areas, with up to 3 kilometres of coverage. Medium range occurs when buildings and trees are in the way. Minimal range occurs when dense foliage and mountains obstruct the communication path.

Patent and Copyright Information

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Oricom International is the distributor of Motorola 2-way UHF radios in Australia & New Zealand. Please contact the Oricom International Helpline at 1300-889-785 (Australia) or 0900-500-25 (Toll Call, New Zealand) for questions/comments, warranty, support, or service related to this product.

Warranty

Consumer Two-Way Radio Products and Accessories purchased in Australia or New Zealand.

What Does this Warranty Cover?

This Limited Warranty is a consumer's exclusive remedy, and applies as follows to new Motorola branded products, accessories and software manufactured, distributed and sold by Giant International Ltd., or distributed by Oricom.

Oricom is the local distributor of Equipment in Australia & New Zealand, and warrants ("Equipment purchased in Australia and New Zealand") against defects in material and workmanship under normal use and service of Equipment, in accordance with this Limited Warranty, for the following periods of time:

Products Covered	Warranty Period
1. **Equipment**, unless otherwise provided for below.	1. **One (1) year** from the date of purchase by the first consumer purchaser of the Equipment unless otherwise provided for below.
2. **Decorative Accessories and Cases.** Decorative covers, bezels, PhoneWrap covers and cases.	2. **Limited lifetime warranty** for the lifetime of ownership by the first consumer purchaser of the decorative accessory or case.
3. **Consumer Two-Way Radio Accessories.**	3. **Thirty (30) days** from the date of purchase by the first consumer purchaser of the consumer Two-Way Radio accessories.
4. **Products and Accessories that are Repaired or Replaced.**	4. **The balance of the original warranty or for thirty (30) days** from the date the products or accessories are returned to the consumer, whichever period is longer.

Proof of Purchase: You must provide proof of purchase of the Equipment as a condition to receiving warranty services described above.

Who is covered?

This Limited Warranty applies only to the original consumer purchaser of Equipment and is not transferable.

What will Oricom do?

Oricom, at its option, will at no charge either repair or, replace any defective Equipment during the applicable Warranty Period. Oricom may use functionally equivalent reconditioned, refurbished, pre-owned or new Equipment or parts at its discretion. No data, software or applications added to Equipment, including but not limited to personal contacts, games and ringer tones, will be reinstalled by Oricom. To avoid losing such data and applications consumers should create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information?

To obtain service or information, please call:

Oricom International Pty Ltd Australia call	Oricom International Pty Ltd New Zealand call
1300 889 785 (cost of local call excludes calls from mobiles)	0900 50 025 (Toll Call)

You will receive instructions on how to ship the Equipment, at your expense, to an authorised repair centre.

To obtain Warranty service, you must provide Oricom with:

(a) a copy of your purchase receipt, bill of sale or other comparable proof of purchase of the Equipment;

(b) a written description of the problem;

(c) the name and location of the installation facility (if applicable); and

(d) your postal address and contact telephone number.

Oricom will be the sole determinant as to whether the Equipment is defective.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are not covered by this Limited Warranty.

Batteries. Motorola supplied batteries will be replaced during the first six (6) months of the date of purchase of Equipment without cost if the battery capacity falls below 80% of its rated capacity, or the battery develops a leak.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the Equipment resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Equipment for commercial purposes or subjecting the Equipment to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, or Giant International Ltd., or Oricom are excluded from coverage.

Use of Non-Motorola branded Products and Accessories. Defects or damage that result from the use of non-Motorola branded or certified products, accessories, software or other peripheral equipment are not covered by this Limited Warranty.

Unauthorized Service or Modification. Defects or damage resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, Giant International Ltd., Oricom or their authorized service centres, are not covered by this Limited Warranty.

Altered Equipment. Equipment with: (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or seals that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are not covered by this Limited Warranty.

Communication Services. Defects, damages, or failure of products, accessories or software due to any communication service or signal you may subscribe to or use with the products, accessories or software are not covered by this Limited Warranty.

Equipment Purchased outside Australia or New Zealand. This Limited Warranty does not extend to any Equipment which was purchased outside of Australia or New Zealand.

Defective Equipment. This Limited Warranty does not extend to any Equipment that has been damaged or rendered defective: (a). as a result of lightning, over voltage, accident, misuse, abuse or other external causes; (b). the operation outside the normal use of the Equipment; or (c). by the use of parts not manufactured by Motorola.

What Other Limitations Are There?

Australia

To the extent permitted by law, all conditions, warranties and terms not expressly contained in this limited warranty, whether implied by operation of statute, inference from circumstances, industry practice or otherwise, are excluded.

THE LIABILITY OF MOTOROLA, GIANT INTERNATIONAL LTD, OR ORICOM (AS APPLICABLE) FOR ANY BREACH OF CONDITION OR WARRANTY IMPLIED BY LAW, INCLUDING ANY CONDITION OR WARRANTY UNDER THE TRADE PRACTICES ACT 1974, WHICH CANNOT BE EXCLUDED, WILL BE LIMITED AT THE OPTION OF MOTOROLA, GIANT INTERNATIONAL LTD, OR ORICOM (AS APPLICABLE), TO ONE OR MORE OF THE FOLLOWING: (A) THE REPAIR OR REPLACEMENT OF THE EQUIPMENT OR GOODS, OR THE PAYMENT OF THE COST OF REPLACING THE EQUIPMENT OR GOODS OR OF ACQUIRING EQUIVALENT EQUIPMENT OR GOODS; AND (B) IN THE CASE OF THE PROVISION OF SERVICES, THE SUPPLYING OF THE SERVICES AGAIN, OR THE PAYMENT OF THE COST OF HAVING THE SERVICES SUPPLIED AGAIN.

New Zealand

This Limited Warranty is given in addition to any rights or remedies that may be available to the Customer under the Consumer Guarantees Act 1993 ("CGA"), and does not limit any rights and remedies available to the Customer under the CGA. If the customer is a consumer (as that term is defined in the CGA) then: a). this Limited Warranty will apply for the benefit of the Customer, and any Consumer acquiring from or through the Customer: and b) any of the provisions of this Limited Warranty which reduce, limit or are contrary to the guarantees and remedies contained in the CGA, will be deemed deleted and omitted from this Limited Warranty UNLESS the Customer is a Consumer who acquires the Equipment for the purposes of a business, and the supplier of the Equipment to the Customer has contracted out of the provisions of the CGA.

IN NO EVENT WILL MOTOROLA, GIANT INTERNATIONAL LTD, OR ORICOM BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE EQUIPMENT OR ANY SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE EQUIPMENT OR ANY SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitationor exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so above limitations exclusions may not apply to you. This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.